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S/024/60/000/02/024/031  
E194/E155

The Evaporation of Single Free Droplets of Various Liquids during  
Small Changes in the Reynolds Criterion of a Flow Passing over  
the Drops

valid. Eq (1.6) is then derived for the rate of change of drop surface with time. When the drop is not in motion this expression simplifies to the form of Sreznevskiy's law. It is then shown that when a drop is in motion in a flow the conditions change during the process of evaporation, so that Sreznevskiy's law cannot be fulfilled. Fig 1 shows typical experimental curves for the evaporation of free droplets of ethyl ether in a flow of air at various temperatures. The numbers marked on the curves correspond to values of the Reynolds criterion at the corresponding times. It will be seen that the law of linear change of drop surface with time is not true throughout the process at any temperature. Nevertheless, each of the curves contains a straight line portion wherein the law is valid. Test results were also obtained for water and ethanol, giving curves similar to those of Fig 1. Similar curves were also obtained for heavy oils such as diesel fuel grade ES, but in the case

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of light fuels such as gasoline and kerosene under certain circumstances changes in the droplet composition during the process of evaporation caused the curves to be somewhat different in shape. The equation of mass exchange of a drop with the surrounding medium is then expressed in criterial form, as in Eq (2.1), and Fig 2 gives test results for uniform fluids expressed in the appropriate coordinates. The evaporation rate constant is then defined; it applies to that part of the curve which follows Sreznevskiy's law. In studying the droplet evaporation it is important to know the temperature of the droplets, which in the case of evaporation of uniform fluids may be determined by Maxwell's formula (4.1), provided the temperature of the medium is not too high. In the present work the droplet temperature was calculated from the rate of evaporation by a method that has been described elsewhere. Droplet temperature as a function of the temperature of the surrounding medium is plotted

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in Figs 3 and 4. Values of the evaporation constant  
for motionless drops in a medium of temperature up to  
370 °C for water, ethanol, ether, gasoline, kerosene,  
and diesel fuel grade DS are tabulated in an appendix.  
Acknowledgement is made to Professor D.N. Vyrubov for  
his participation in the study of the experimental  
results.

There are 4 figures, 1 table and 23 references, of which  
12 are Soviet, 8 English and 3 German.

SUBMITTED: November 2, 1959

4

24 5303 (4.23)  
(2006)  
AUTHOR: Apashev, M. D.

41838  
S/262/62/000/004/015/024  
1014/I252

TITLE: Investigation of heat transfer in highly-heated gases in a bomb

PERIODICAL: Referativnyy zhurnal, Silovyye ustavki, no. 4, 1962, 53, abstract 42.4.313 "Tr. Labor. dvigateley" AN SSSR, 1960, no. 5, 68-93

TEXT: The object of the investigation is determination of the dependence of the heat transfer coefficient on the gas parameters, permitting a generalized equation for the instantaneous heat losses into the cooling medium. Taking into account the relationship between heat losses by radiation and by contact, special attention was given to the coefficient of contact heat transfer by analysis of indicator diagrams; the coefficient of heat transfer by radiation was determined analytically (according to data from literature) on the basis of the degree of blackness of steel and glass and of the radiation coefficient of a black body. The main components of the equipment were: a cylindrical bomb equipped with glass side plates, and a ИАБ-451 (IAB-451) apparatus with a CKC-1 (SKS-1) movie camera for filming the combustion inside the bomb by the method of optical contrast. For carburettor engines the heat transfer can be calculated with the aid of the mean temperatures determined from an indicator diagram and taking into account the overall heat transfer surface. There are 19 figures and 8 references.

[Abstracter's note: Complete translation.]

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X

L 18220-63  
Ps-4/Pr-4/Pu-4  
ACCESSION NR: AT3001867

EPR/EPP(c)/EPP(n)-2/EWT(1)/BDS

WW

AFFTC/ASD/IJP(C)/SSD

S/2909/62/000/006/0153/0160

AUTHORS: Apashev, M. D.; Zagryazkin, N. N.; Ostrovskaya, S. Ye.

TITLE: Measurement of elevated gas temperatures

SOURCE: AN SSSR. Institut dvigateley. Trudy, no. 6, 1962, 153-160

TOPIC TAGS: temperature, gas, measurement, thermometry, thermocouple, transducer, nonstationary, elevated, high

ABSTRACT: This report on an experimental investigation is a continuation and extension of N. N. Zagryazkin's and R. P. Egyeles' proposal for the measurement of high local temperatures by means of the observation of the heating rate undergone by thermocouples ("A nonstationary method for the measurement of elevated gas temperatures, ". In the sbornik "Teoriya, konstruktsiya, raschet i ispy-teniye dvigateley vnutrennego sgoraniya - The theory, design, construction, and testing of internal-combustion engines," no. 6, Izd-vo AN SSSR, 1958). One advantage of this method is the usability in it of non-heat-resistant thermocouples. The principle of the nonstationary method consists in the measurement of elevated temperatures ( $T$ ) by the introduction of the thermometric body into the medium to be measured for a short time, and its withdrawal before its  $T$  has attained the  $T$

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of the fluid flow. The curve of the increase in T is recorded by means of a loop oscillograph. The basic theory of the method and a schematic diagram of the equipment employed are set forth. Simplifying assumptions: 1. The T of the fluid flow is time-invariable; 2. the heat capacity of the thermometric transducer (TT) is constant through the T interval measured; 3. the heat-transfer from fluid to the TT is constant; 4. the T of the TT at a given time point is uniform; 5. radiational and conductive heat losses are disregarded. The method of interpretation of the oscillogram is explained, and an error analysis is carried out in detail. The influence of the diameter of the TT and of the flow velocity are analyzed. Conclusions: 1. The method proposed is recommended for the measurement of elevated gas T (1,000-3,000°C). 2. The accuracy of the measurement of T in the 1,000-2,000° range is  $\pm 7$  to 9 percent. The accuracy of T measurement decreases with further increases in T. 3. The diameter of the TT must be smaller than 0.35 mm. 4. The parameters of the interpretation of the oscillograms,  $T_1$  and  $T_2$ , must be selected with reference to the characteristics of the medium investigated. Thus for fluid media with a temperature up to 2,000° it is desirable to assume  $T_1 = 150$  to 200°; for higher T of the fluid medium  $T_1$  may be assumed at 80-100°, but it is then necessary to use readings obtained from 6 to 8 successive measurements. The selection of  $T_2$  depends on the flow velocity; at flow velocities below 20 m/sec, the upper limit of  $T_2$  must be 600 to 650°; at yet

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more elevated flow velocities,  $T_2$  may be increased to  $1,000^\circ$ , thereby improving the reliability of the results obtained. Orig. art. has 6 figures and 1 equation.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 11Apr63

ENCL: 00

SUB CODE: AI, PH, SD

NO REF SOV: 000

OTHER: 000

Card 3/3

APASHEV, N.D., MIKHAYLENKO, V.D.; BELYAYEVA, I.F.

Use of a colored grating for the quantitative investigation of  
schlieren by the Toeppler optical method. Trudy Inst. dvig. no.6:  
161-165 '62. (MIRA 16:3)  
(Air flow) (Optical measurements)

LIPKOVICH, A.M., kandidat meditsinskikh nauk; APASOV, U.N., kandidat meditsinskikh nauk

Treatment of acute puerperal mastitis with a diagnostic X-ray pipe.  
Akush. i gig. 33 no.2:40-42 Mr-Ap '56. (MLRA 9:7)

1. Iz kafedry rentgenologii i radiologii (zav. - prof. V.A. D'yachenko) i akusherstva i ginekologii (zav. - prof. I.F.Zhordania) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina.  
(MASTITIS,  
puerperal, radiother.)  
(RADIOTHERAPY, various dis.  
mastitis, puerperal)

APASOV, O.N.

Radiation dosage in diagnostic examinations of children.  
Med. rad. 5 no.1:46-50 Ja '60. (MIRA 15:3)

1. Iz kafedry rentgenologii i radiologii (zav. - prof.  
Ya.L. Shik) Leningradskogo pediatriceskogo meditsinskogo  
instituta.

(RADIATION--DOSAGE)  
(CHILDREN--DISEASES--DIAGNOSIS)

APASOV, G.N.

Protective incubator for taking X-ray pictures of newborn infants.  
Vest. rent. 1 rad. 37 no. 2:50-51 Mr-Ap '62. (MFA 15:4)

1. Iz kafedry meditsinskoy radiologii (zav. - prof. M.N.Potedinskiy)  
Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey  
imeni S.M.Kirova i kafedry rentgenologii i radiologii (zav. - prof.  
Ya.L.Shik) Leningradskogo pediatriceskogo meditsinskogo instituta.  
(PEDIATRIC RADIOLOGY--EQUIPMENT AND SUPPLIES)

APASOV, O. N.

Chaul x-ray therapy for cavernous hemangiomas in children. Vop.  
onk. 7 no.7:70-73 '61. (MIRA 15:2)

1. Iz kafedry rentgenologii i radiologii (sav. - prof. Ya. L.  
Shik) Leningradskogo pediatriceskogo meditsinskogo instituta.

(BLOOD VESSELS—TUMORS)  
(X RAYS—THERAPEUTIC USE)

APASOVA, A. I.

Docent

"Problem in Arthroplasty," Khirurgiya, No.8, 1948

1st Clinic, Ukr. Inst. Traumatology and Orthopedic

Chair, 2nd Surgical Hosp., Kiev Med. Inst. im. Bogomolets

APASOV, E.I.

Accumulation of arsenic in the organs of rabbits infected with syphilis. I. I. Apasov et al. Lenin Med. Inst., Moscow. Izdat. Tsvetnoi Periodiki. 1948, No. 2, 23-7.  
To shed light on contradictory reports of loss of As accumulation, 20 rabbits were infected with syphilis and then treated with mercurous (I), mercuric (II), and caerule (III). Micro detn. of As were by the iodineometric method of Alkraft and Goss, but HCl was substituted for H<sub>2</sub>SO<sub>4</sub> and HgCl<sub>2</sub> in disintegrating the organs. There was a greater accumulation of As in syphilitic animals than in healthy ones. Intravenous injection of I resulted in 4 times as much retention in the brain as with II or III; injection of III produced 4 times as much retention in the digestive tract as with I or II. The relatively smaller amt. of As in other organs, following injection of III probably explains its inferior therapeutic value. Different individuals, similarly treated, varied markedly in As retention, making it impossible to det. the dose administered from As accumulation in organs. In descending order of the amt. of As stored, the organs are kidney, spleen, liver, brain, lungs. Loss of the accumulated As was very slow. Judging by these results, the best therapeutic treatment would be intravenous injections of I.

K. Starr Chester

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101820015-3

RE: U.S. Central Intelligence Agency - Special Agent, FBI, FBI  
Washington, D.C., 20535

TO: Teleprint Bureau (FBI), Seattle, WA.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101820015-3"

APASOVA, Yelizaveta Ivanovna,

Academic degree of Doctor of Medical Sciences, based of her defense, 28 June 1954, in the Council of the 1st Moscow Order of Lenin Med Inst, of her dissertation entitled: "Material on the question of treating recently contracted syphilis with a single course of penicillin treatment."

Academic degree and/or title: Doctor of Sciences

SO: Decisions of VAK, LIST NO. 4, 25 February 1956, Byulleten' MVO SSSR, No. 1, January 1957, Moscow, pp. 14-24, Unol.  
JPRS/NY-440

COUNTRY	: USSR
CATEGORY	: Pharmacology and Toxicology. Chemotherapeutics Preparations. Antibiotics
ABS. JOUR.	: RZhBiol., No. 1 1959, No. 4642
AUTHOR	: Apasova, Ye. I.
INST.	: 1st Moscow Medical Institute
TITLE	: Data on the Problem of the Treatment of Recent Syphilis with a Single Course of Penicillin
ORG. PUB.	: Tr. 1-go Mosk. med. in-ta, 1956, 4, 119-126
ABSTRACT	: No abstract

CARD:

1/1

37

CATEGORY : Cultivated plants.

ADS. SOURCE : Ref. chuz.-baoga-giya, No. 5, 1959, No. 20241

AUTHOR :

INST. :

TITLE :

ORIG. PUB.:

ABSTRACT : low content was found in Krasnodarskaya 1/49 (11.17%) and V1R-25 (10.57%). A large quantity of reducing sugars and starch was characteristic of the hybrids V1R-42 (1.87 and 78.53%), Uspokh (1.40 and 78.97%), V1R-37 (1.98 and 76.95%), as well as Risovaya Kinel'skaya variety (1.42 and 73.40%); a small amount in Kichkasskaya mostnaya (1.43 and 67.83%), Krasnodarskaya 1-49 (1.47 and 66.81 percent) and Minnesota 13 (1.50 and 66.21%).

CARD: 2/3

ANALYST

APASHEV, P.T., Doc Biol Sci -- (dis) "Oxidizing processes  
in the organism of growing <sup>equine</sup> animals." Mos, 1959, 32 pp  
(Min of Agr USSR. Mos Vet Acad) 140 copies (KL, 34-59, 112)

- 30 -

APAS'YEV, P.T.

Glutathione content in the blood of growing animals. Trudy  
Oren. otd. Vses. fisiol. ob-va no.2:20-24'60. (MKA 16:8)

1. Kafedra organicheskoy i biologicheskoy khimii (ispolnyayushchiy otyasannost'i zaveduyushchego - dotsent P.T.Apas'yev)  
Orenburgskogo sel'skokhozyaystvennogo instituta.  
(GLUTATHIONE) (BLOOD—ANALYSIS AND CHEMISTRY)

APAS'YEV, P.T.

Blood catalase in growing rabbits after the removal of sexual glands. Trudy Oren. otd. Vses. fisiol. ob-va no.2:25-28'60.

(MIRA 16:8)

1. Kafedra organicheskoy i biologicheskoy khimii (ispolnyayushchiy obyazannosti zaveduyushchego - dotsent P.T.Apas'yev) Orenburgskogo sel'skokhozyaystvennogo instituta.

(CASTRATION) (CATALASE)

(BLOOD—ANALYSIS AND CHEMISTRY)

ACC NR:

AR6035049

SOURCE CODE: UR/0058/66/000/008/E069/E069

AUTHOR: Apas'yeva, V. P.; Sannikova, S. V.; Usachev, Ye. P.

TITLE: Electrical properties of thin films

SOURCE: Ref. zh. Fizika, Abs. 8E524

REF SOURCE: Sb. Tezisy dokl. Yubileyn. nauchn. konferentsii, posvyashch.,  
XX-letiyu in-ta. Kazansk. fiz.-tekhn. in-t, 1966. Sekts. fiz. n. Kazan', 1966,  
35-36

TOPIC TAGS: Hall mobility, indium, thin film, semiconductor, Hall coefficient,  
electroconductivity, indium antimonide

ABSTRACT: The discrete spray method (RZhFiz, 1963, 4E448) (1) was used to obtain stoichiometric n-InSb film with a thickness ( $d$ ) of  $0.05\text{--}1.5 \mu$ . The dependence of the Hall coefficient ( $R$ ), Hall mobility ( $\mu_H$ ), and electroconductivity ( $\sigma$ ) on ( $d$ ) was investigated. It was found that  $\mu_H$  and  $R$  increase with an increase in  $d$ , and that  $\sigma$  is independent of  $d$ . In samples with a large crystal surface,  $\mu_H$  was as high as  $3260 \text{ cm}^2/\text{v. sec}$ ; in fine crystal samples  $\mu_H$  was

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ACC NR: AR6035049

1800 cm<sup>2</sup>/v.sec. Where  $\sigma = 15-30 \text{ ohm}^{-1} \cdot \text{cm}^{-1}$ , the electron density was  $(1-6) \cdot 10^{17} \text{ cm}^{-3}$ ,  $R = (100-200) \text{ cm}^3/\text{conl}$ . On the basis of the temperature correlations of  $\sigma$  and  $R$  in the 77-500K range, the activation energy was computed to be 0.20--0.22 and 0.18-0.25 ev, respectively. The data obtained agree with those computed in I for an indium antimonide film within the same temperature range. [Translation of abstract]

[SP]

SUB CODE: 20/

Card 2/2

NICOLAU, C.T., prof.; APATEANU, V., dr.; NICOARA, S., dr.; GRIGORIU, G. dr.

Transfusion of bone marrow in blood diseases (Observations on 9 cases). Med. intern., Bucur 12 no.11:1601-1607 N '60.

1. Lucrare efectuata in Clinica hematologica Bucuresti.  
(BONE MARROW transplantation) (ANEMIA therapy)  
(THROMBOPENIA therapy)

NICOLAU, C.T., prof.; NICOARA, S., dr.; APATEANU, V., dr.; GRIGORIU, Gh., dr.

The bone marrow donor. Med. intern., Bucur 12 no.11:1729-1736  
N '60.

1. Lucrare efectuata la Centrul hematologie, Bucuresti.  
(BONE MARROW transplantation)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101820015-3

NICOLAU, C.T., prof.; GRIGORIU, Gh., dr.; APATEANU, V., dr.; NICOARA, S.,  
dr.; POTINA, M., dr.

Bone marrow transfusion technic. Med. intern., Bucur 12 no.11:  
1737-1742 N '60.

(BONE MARROW transplantation)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000101820015-3"

POPPA, C.; APATLEANU, V.; NICOARA, St.; GRIGORIU, Gh.

Method of evaluation of the action of homopoiesis inhibitors  
in the rat by investigation of the number of karyocytes in a  
segment of the femur. Stud. cercet. med. intern., 2 no.2:251-  
258 '61.

(HEMATOPOIETIC SYSTEM physiology) (FEMUR)  
(CELL NUCLEUS) (RADIATION EFFECTS experimental)  
(BUSULFAN pharmacology) (URACIL related cpds.)

APATRANU, V., dr.; NICOARA, S., dr.; GRIGORIU, Gh., dr.

Experimental hematological investigations in irradiated rats treated  
with homologous bone marrow. Med. intern., Bucur 13 no.1:97-104  
Ja '61.

1. Lucrare efectuata la Centrul de hematologie, Bucuresti.

(BONE MARROW transplantation)  
(RADIATION PROTECTION experimental)  
(BLOOD radiation effects)

NICOLAU, C. T., prof.; APATEANU, V., dr.; NICOARA, S., dr.; GRIGORIU, Gh., dr.;  
Colaboratori tehnici: GRIJOTTI, Fl.; RADULEANU, St.

Restoration of hematopoiesis with autologous bone marrow preserved in  
glycerol at 76 degrees, studied in dogs treated with E-39. Med. intern.  
13 no.10:1431-1437 0 '61.

(HEMATOPOIESIS)  
(ANTINEOPLASTIC AGENTS pharmacology)  
(BONE MARROW transplantation)

NICOLAU, C.T.; NICOARA, S.; ORIGORIU, O.; APATEANU, V.

Rat-mouse heterologous bone marrow graft studied by means of the  
leukocyte alkaline phosphatase test. Stud. cercet. med. intern.  
3 no.2:265-273 '62.

(BONE MARROW transplantation) (LEUKOCYTES chemistry)  
(PHOSPHATASES blood)

NICOLAU, C.T.; APATEANU, V.; GRIGORIU, Ch.

Research on the value of splenectomy and corticotherapy in the  
conditioning of mice to obtain rat bone-marrow heterografts. Stud.  
cercat. med. intern. 3 no.5:641-646 '62.

(BONE MARROW) (TRANSPLANTATION) (IMMUNITY)  
(SPLENECTOMY) (ADRENAL CORTEX HORMONES)

2  
Nicolau, C. T., Professor, Corresponding Member of the Academy of  
the R.P.R.; POTINO, Marilena, MD; APARALA, V., MD.

Center for Hematology, Bucharest (Centrul de hematologie,  
Bucuresti); Director: Professor C. T. Nicolau - (for all)

Bucharest, Medicina Internă, No 12, Dec 60, p 1425-1433

"Immunoserologic Control of Patients Transfused with Monoclonal  
Bone Marrow."

GRIGORIU, Gh., MD; APATANU, Vl., MD; MITAL, P., MD; POPOVICI, L.,  
MD; PATICA, Cornelia, MD.

Center for Haematology, Bucharest (Centrul de hematologie din  
Bucuresti) - (for all); Director: Professor C. T. Nicolau.

Bucharest, Medicina Internă, No 12, Dec 63, pp 1489-1494  
"Thalassaemia with Intraerythrocytic Corpuscles (Heinz  
Corpuscles)."

NICOLAU, C.T., GRIGORIU, Gh., dr.; APATEANU, Vl.; dr.; NICOARA, S., dr.

Sex chromatin. Med. intern. 15 no.3:263-272 Mr '63.

1. Lucrare efectuata la Centrul de hematologie, Bucuresti (director: prof. C.T. Nicolau).

(SEX CHROMATIN) (SEX DETERMINATION)

NICOLAU, C.T., prof.; APATEANU, V., dr.; GRIGORIU, G., dr.; POPOVICI, C., dr.  
BIRZU, I., conf.; NECULA, V., dr.; GOLD, M., dr.; JOVIN, I., dr.  
GRIJOTTI, Florica, colaborator teh.; TEODORESCU, Viorica, colaborator teh.

Observations on technics of collection, preservation and administration of autologous bone marrow after radiotherapy and chemotherapy in neoplastic diseases. Med. intern. 15 no.12t  
1417-1423 D'63.

1. Membru corespondent al Academiei R.P.R. (for Nicolau).
2. Centrul de hematologie (for Popovici).
3. Spitalul "Prof.dr. I.Cantucuzino" (for Necula).
4. Spitalul "Vasile Roaita" (for Jovin).

\*

NICOLAU, C.T., prof.; FOTINO, Marilena, dr.; AFATEAKU, V., dr.

Immunoserological control of patients treated with homologous bone marrow transfusion. Med. intern. 15 no.12:1425-1433 D'63.

1. Lucrare efectuata la Centrul de hematologie, Bucuresti (director: prof. C.T.Nicolau). 2. Membru corespondent al Academie R.P.R. (for Nicolau).

NICOLAU, C.T., prof.; APATEANU, V., dr.; GRIGORIU, Gh., dr.

Current status of the use of bone marrow transplants in  
therapeutics. Med. Intern. (Bucur) 17 no.2:129-139 F'65.

ANNEKE A.R.

Dept. of morbid Anat., Moscow Med. Inst. USSR Min. of Health. "The condition of the skeletal musculature during prolonged circulatory decompensation (Russian text)" A.M. PATOL. (Moscow) 1943, 5 (3.-4.) Illus 3

Investigations were made in 30 autopsy cases of prolonged circulatory decompensation. Muscles examined included the sternocleidomastoid, biceps, rectus abdominis, quadriceps, intercostal muscles and diaphragm (which showed the most marked changes). Changes consisted in atrophy, waxy degeneration, vacuolar and fatty dystrophy of the muscle fibres, swelling and oedema of the stroma, clearing of the argyophil reticulum, stasis of axis cylinders with wedge-shaped swellings, and did the terminal fibres. Special mention is made of 'central coagulation' and 'peripheral swelling of the sarcoplasm' of the diaphragmatic muscle fibres. Mention is also made of 'compensatory hyperplasia' of the capillary network and the elastic fibres in the venous adventitia, and the small neuromata of the nerve-endings. Brandt - Berlin

SO: Excerpta Medica  
Section V  
Vol. 7 No. 10

SMIRNOV, Ye.I., general-polkovnik med. slushby, glav. red.;  
DAVYDOVSKIY, I.V., KRAYEVSKIY, N.A., professor;  
N.A., prof.; GLAZUNOV, M.F., prof., polkovnik med. slushby,  
red.; SMOL'YANNIKOV, A.V., prof., polkovnik med. slushby, red.;  
AFATENKO, A.K., kand. med. nauk, kapitan med. slushby, red. toma;  
BEL'CHIKOVA, Yu.S., tekhn. red.

[Soviet medicine during the Great Patriotic War; 1941-1945] Opyt  
sovetskoi meditsiny v Velikoi Otechestvennoi voine, 1941-1945 gg.  
Moskva, Medgiz. Vol.35. 1955. 491 p. (MIRA 15:2)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
Krayevskiy, Glazunov).  
(WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

APATENKO, A.K.; ABRASHENKOV, V.N.(Moskva)

Universal microprojector for microscopy. Arkh. pat. 18 no.1:118-120  
'56. (MLRA 9:6)

1. In TSentral'noy patologoanatomicheskoy laboratorii (nach-prof.  
A.V. Smol'yannikov)  
(MICROSCOPE, apparatus and instruments,  
universal light-microprojector (Rus))

APATENKO, A.K., kand.med.nauk (Moskva)

Problem of intestinal lipodystrophy (Whipple's disease), Klin.  
med. 36 no.10:94-98 O '58  
(LIPODYSTROPHY,  
intestinal (Rus))  
(INTESTINES, dis.  
lipodystrophy (Rus))  
(MIRA 11:11)

APATENKO, A.K., mayor meditsinskoy sluzhby, kand.med.nauk

'Aneurysms of the cerebral arteries. Voen.-med. zhur. no.4:45-51  
Ap '60. (ANEURYSMS) (BRAIN..BLOOD VESSELS) (MIRA' 14:1)

VASIL'YEV, Yuriy Markovich; APATENKO, A.K., red.; BUL'DYAYEV, N.A.,  
tekhn. red.

[Connective tissue and tumorous growth under experimental condi-  
tions] Soedinitel'naya tkan' i opukholevyi rast v eksperimente.  
Moskva, Medgiz, 1961. 138 p. (MIRA 15:1)  
(CONNECTIVE TISSUES) (TUMORS)

APATEJKO, A.K., mayor meditsinskoy sluzhby, kand.med.nauk; TURUSOV, V.S.,  
mayor meditsinskoy sluzhby, kand.med.nauk

On morbid tumors of the skin. Voen.-med.zhur. no.1:46-48 Ja '61.  
(SKIN-TUMORS) (MIRA 14:1)

APATENKO, A. K. (Moskva)

So-called neuromas of the tactile endings. Arkh. pat. no. 6:47-51  
'61. (MIRA 14:12)

1. Is TSentral'noy patologoanatomiceskoy laboratorii (nach. - prof.  
A. V. Smol'yannikov)

(NERVES, CUTANEOUS—DISEASES)

APATENKO, A. K. (Moskva)

Simple device for determining linear enlargement in microphotography and for measuring objects in histological sections.  
Arkh. pat. no.8:85-86 '61. (MIRA 15:4)

1. Iz Tsentral'noy patologoanatomicheskoy laboratorii (nach. - prof. A. V. Smol'yannikov)

(HISTOLOGY—EQUIPMENT AND SUPPLIES)

APATENKO, A.K. (Moskva)

Machine for sharpening microtome knives. Arkh.pat. no.10:88-89  
'61. (MIRA 14:10)  
(MICROTOME--EQUIPMENT AND SUPPLIES)

APATEKO, A.K.; TURUSOV, V.S. (Moskva)

Leiomyomas from closing arteries. Arkh.pat. no.11:49-55 '61.

l. Is Tsentral'noy patologoanatomiceskoy laboratorii (nach. -  
prof. A.V. Smol'yanikov) MMZ.  
(ARTERIES-TUMORS)

(MIRA 14:10)

TURUSOV, V.S.; APATENKO, A.K.

The tumours of arteriovenous anastomoses. Neoplasmia 8 no.5:  
543-549 '61.

1. Institute of Experimental and Clinical Oncology, Moscow Sklifosovsky  
Institute, Moscow, U.S.S.R.  
(GLOMANGIOMA)

APATENKO, A.K.; TURUSOV, V.S. (Moskva)

Barré-Masson glomus angiomas. Arkh.pat. 24 no.5:18-25 '61.  
(MIRA 15:5)

1. Iz TSentral'noy patologoanatomiceskoy laboratori (nach. -  
prof. A.V. Smol'yaninkov) pri Vojenno-meditsinskem upravlenii  
Ministerstva oborony SSSR.  
(ANGIOMA)

AL'TGAUZEN, Aron Yakovlevich[deceased]; APATENKO, A.K., red.;  
LYUDKOVSKAYA, N.I., tekhn. red.

(Morphological (cytological) study of punctates from tumors,  
neoplastic formations and serous cavities) Morfologicheskoe  
(tsitologicheskoe) issledovanie punktatov iz opukholei, opu-  
kholevidnykh obrazovanii i seroznykh polostei. Moskva, Med-  
giz, 1962. 130 p. (MIRA 15:6)

(PUNCTURES (MEDICINE)) (TUMORS) (DIAGNOSIS, CYTOLOGIC)

BRUMBERG, A.S., prof.; VAKHURKINA, A.M.; VINOGRADOVA, T.P., prof.;  
LAVRISHCHEVA, G.I., kand. med. nauk; FERMYAKOV, N.K., doktor  
med. nauk; SMOL'YANNIKOV, A.V., prof.; STRUKOV, A.I., prof.;  
otv. red.; DVIZHKOV, P.P., prof., zamestitel' otv. red.;  
APATENKO, A.K., kand. med. nauk; SENCHILO, K.K., tekhn. red.

[Multivolume manual on pathological anatomy] Mnogotomnoe ruko-  
vodstvo po patologicheskoi anatomii. Otv. red. A.I. Strukov.  
Moskva, Medgiz. Vol.6. [Pathological anatomy of diseases of the  
osteoarticular system, muscles, and tendons] Patologicheskaya  
anatomia boleznei kostno-sustavnoi sistemy, myshts i sukho-  
zhilii. Red. toma T.P. Vinogradova. 1962. 518 p. (MIRA 15:4)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for  
Strukov).

(BONES--DISEASES) (JOINTS--DISEASES) (MUSCLES--DISEASES)

APATENKO, A. K.; POROSHIN, K. K. (Moskva)

Morphology and histogenesis of hibernoma. Arkh. pat. no. 2:60-65  
'62. (MIRA 15:2)

1. Iz tsentral'noy patologoanatomiceskoy laboratorii (nach. -  
prof. A. V. Smol'yannikov) pri Voeyenno-meditsinskem upravlenii  
Ministerstva oborony SSSR.

(TUMORS)

APATENKO, A.K. (Moskva)

Necrotizing epithelioma (calcified epithelioma of Malherbe).  
Arkh. pat., 10:25-31 '62. (MIRA 17:1)

1. Iz TSentral'noy patologoanatomiceskoy laboratori (nach. - prof. A.V. Smol'yannikov) pri TSentral'nem voyenne-meditsinskem upravleniya Ministerstva oborony SSSR.

SMOL'YANNIKOV, Anatoliy Vladimirovich; NADDACHINA, Tat'yana Alekseyevna;  
APATENKO, A.K., red.; KUZ'MINA, N.S., tekhn. red.

[Problems of pathological anatomy and the pathogenesis of  
coronary insufficiency] Voprosy patologicheskoi anatomii i pa-  
togeneza koronarnoi nedostatochnosti. Moskva, Medgiz, 1963.  
245 p. (MIRA 16:4)

(CORONARY HEART DISEASE)

GOL'DIN, Lev Solomonovich. Prinimal uchastiye KOMISSARCHIK, Ya.Yu.;  
APATENKO, A.K., red.; BEL'CHIKOVA, Yu.S., tekhn. red.

[Fundamentals of histological techniques for electron microscopy] Osnovy gistolologicheskoi tekhniki elektronnoi mikroskopii. Moskva, Medgiz, 1963. 257 p. (MIRA 16:5)  
(HISTOLOGY) (ELECTRON MICROSCOPY)

AFATENKO, A.K. (Moskva)

Changes in the skeletal musculature in amputated stumps of the extremities. Arkh. pat. no.1:46-53 '63. (MILIA 17:10)

1. Iz Tsentral'noy patologoanatomiceskoy laboratorii (nachal'nik-prof. A.V. Smol'yannikov).

APATEJKO, A.K., kand. med. nauk; TURUSOV, V.S., kand. med. nauk

Leiomyomas of the skin. Vest. khir. 91 no.8:79-83 Ag'63

(MIRA 17:3)

1. Iz TSentral'noy patologoanatomiceskoy laboratorii (nachal'-nik prof. A.V. Smol'yannikov). Adres avtorov: Moskva, Ye.229, Hospital'naya ploschchad', d.3, TSentral'naya patologoanatomiceskaya laboratoriya.

APATENKO, A.K.

Leiomyoma of the skin developing from the muscle wall of small blood vessels. Arkh, pat. 25 no.11:43-50 '63. (MIRA 17:12)

1. Iz TSentral'noy patologoanatomiceskoy laboratorii (nachal'nik - kand. med. nauk A.K.Apatenko) pri TSentral'nom voyenno-meditsinskem upravlenii Ministerstva oborony SSSR.

TURUSOV, V.S., kand. med. nauk; APETENKO, I.K., kand. med. nauk (Moskva)

Giemus angioma of the stomach. Khirurgia 39 no.6:115-117 Je '63.  
(MIRA 1715)

APATENKO, A.K. (Moskva)

Beejne spiradenoma of the skin. Arkh. pat. 27 no.2:25-32 '65.  
(MJRA 18:5)

1. TSentral'naya patologoanatomicheskaya laboratoriya (nachal'nik  
kand.med.nauk A.K.Apatenko) pri TSentral'nom voyenno-meditsinskem  
upravlenii Ministerstva obrony SSSR.

GOL'DENT, Zoya Vasil'yevna; I. WHITEVA, Galina Alekseyevna;  
ATATENKO, A.K., red.

[Tumors and cysts of the mediastinum; the morphology  
and histogenesis of extraorganic tumors and cysts of the  
mediastinum] Opukholi i kisty sredosteniia; morfologija  
i histogeneza vneorganicheskikh opukholей i kist sredosteniia.  
Moskva, Meditsina, 1965. 271 p. (MIRA 18:1)

BURGMAN, Galina Petrovna; APATENKO, A.P., red.; MATVEYEVA, M.M.,  
tekhn. red.

[Cytology of the cerebrospinal fluid in brain tumors]  
TSitologiya spinnomosgovoi zhidkosti pri opukholiakh mozga.  
Moskva, Medgiz, 1963. 179 p. (MIRA 16:9)  
(DIAGNOSIS, CYTOLOGIC) (CEREBROSPINAL FLUID)  
(BRAIN--TUMORS)

APATENKO, V.M.

Impregnation of intracellular inclusions of chicken pox in  
poultry. Veterinariia 41 no.6:32 Je '64. (MIRA 18:6)

1. Khar'kovskiy soveterinarnyy institut.

SUPRUNENKO, D.; APATENOK, R.

Nilpotent nonreducible linear groups above a finite field.  
Dokl.AN BSSR 3 no.12:475-478 D '59. (MIRA 13:4)

1. Predstavleno akademikom AN BSSR V.I.Krylovym.  
(Groups, Theory of)

APATENOK, R.F.

Irreducible nilpotent groups over a finite field. Dokl. AN BSSR  
6 no.3:142-144 Mr '62. (MIRA 15:3)

1. Belorusskiy posudarstvennyy universitet imeni Lenina,  
Predstavлено академиком AN BSSR N.P.Yeruginym.  
(Groups, Theory of)

SUPRUNENKO, D.A.; APATENOK, R.F.

Nilpotent irreducible groups of matrices over a finite field. Dokl.  
AN BSSR 5 no.12:535-537 D '61. (MIRA 15:1)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.  
(Matrices)

Hector H.

WUNG.

## 86 Designing reinforced concrete girders subjected to bending moments on the basis of minimum costs Apathy

The last sentence of the first page of the original manuscript of the *Principia* contains the following note:

MS. A. 1. 1. fol. 10 v.

The last sentence of the first page of the original manuscript of the *Principia* contains the following note:

MS. A. 1. 1. fol. 10 v.

$\beta = \frac{\rho}{\rho_0} \sqrt{\beta_0}$ , where  $\rho$  is the density of the medium,  $\rho_0$  is the density of water, and  $\beta_0$  is the value of  $\beta$  for water at  $T = 20^\circ\text{C}$ . The value of  $\beta$  for water at  $T = 20^\circ\text{C}$  is approximately 0.00021.

(b) Team with map and for 10 teams

133. Graphs have been plotted for the more important limit stresses of reverberating sand which account for the reading of the common sand tester as well as for the reading of the new sand tester.

the platter and  
rest on the  
table.

and found that the most effective way to accomplish our goal was to keep the spirit of the game.

**APPROVED FOR RELEASE: 06/19/2000**

CIA-RDP86-00513R000101820015-3"

APPENDIX A

✓ 67. Experience gained in the construction of a post-tensioned reinforced concrete slab-bridge - A. V. P. Chakraborty, *Concrete Structures*, Vol. 5, 1958 No. 1 pp. 12-21. (4 figs., 2 tabs.)

The bridge described in the paper is a simply-supported reinforced concrete slab bridge of 18.61 m span, post-tensioned by 37 pairs of parabolic cables. The cables are of the Hels system each consisting of sixteen 12 mm dia. high tensile steel wires. The cables were coated with bitumen to ensure free movement during stressing. The cables were pulled simultaneously with the concrete slab being stressed. The cables were tensioned in two stages. In the first stage, the cables were tensioned at 11,000 kg/cm<sup>2</sup> and the slab was strengthened with 100 kg/m<sup>3</sup> of cementitious grout. After the completion of the first stage, the cables were tensioned again at 11,000 kg/cm<sup>2</sup> and the slab was strengthened with 100 kg/m<sup>3</sup> of cementitious grout.

After testing a cable tension of 14,000 kg/cm<sup>2</sup>, the cables being stressed, the slab was subjected to compression under the action of dead load. This was followed by total tensioning followed the first stage after 91 days. The final stress to be attained was 15,000 kg/cm<sup>2</sup> which was reached after overstressing the cables for a short period to 17,000 kg/cm<sup>2</sup>. For several months after segment to the final tensioning the deflections of the structure were measured. Tearing stresses in the cables were measured. Tearing stresses in the cables were measured. The maximum deflection was found to be 1.5 cm.

FATHY, A.

Diagonal planking of wooden bridges and their protection by means of a wearing surface of asphalt.

p. 238 (Mélyepitestudományi Szemle, Vol. 7, no. 7/8, July/Aug. 1957, Budapest, Hungary)

Monthly Index of East European Accessions (EAI) EC. Vol. 7, no. 2, February 1958

APATHY, Arpad

Remark about Huba Hejj's article entitled "Planning experiences connected with poling". Melyepitestud szemle 12 no.1:47-48 Ja '62.

APATHY, Arpad, okleveles mernok

Prestressed concrete roads. Melyepitesud szemle 13 no.5:  
218-223 My '63.

1. Kozlekedes- es Postaegyi Ministerium II/2. Kozuti  
Hidosztalyanak megbisott vezetaja.

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AT 1000 W. 1000 S. 1000 E. 1000 N.

WIRELESS TELETYPE. 1000 W. 1000 S. 1000 E. 1000 N.

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APATY, S.

"Folklore in the exhibits of the District Museum in Banska Bystrica."

SLOVENSKY NARODOPIS, Praha, Czechoslovakia, Vol. 7, No. 2, 1959.

Monthly list of EAST EUROPEAN ACQUISITIONS (EEAI), LC, Vol. 1, No. 7, July 1959, Unclas.

APATI, Attila

Hungary /Chemical Technology. Chemical Products  
and Their Application

I-12

Silicates. Glass. Ceramics. Binders.

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31501

Author : Apati Attila

Title : Stresses in Glass

Orig Pub: Epitoanyag, 1953, 5, No 12, 398-410

Abstract: No abstract.

Card 1/1

HUNGARY/Chemical Technology - Chemical Products and Their  
Application. Ceramics. Glass. Binders. Concrete.

H-13

Abs Jour : Ref Zhur - Khimiya, No 8, 1958, 25919

Author : Apati Attila

Inst :

Title : Stress Relaxation in Glass.

Orig Pub : Epitoanyag, 1957, 9, No 1, 16-24.

Abstract : Experimental data do not confirm Maxwell's formula of stress decrease, in which the glass is considered to be a Newtonian liquid. A derivation is given of the empirical formula of Adams-Williamson, according to which the process of stress decrease is expressed in "reciprocal stress - time" coordinates and is represented by a straight line. The rectilinear portion of the curves corresponds, according to the derived formula of Adams-Williamson, to viscous flow, while the initial curved portion is the result of viscous-elastic properties of

Card 1/2

- 26 -

APATI, A.

Quantitative determination of the plane stress in glass. p.368

EPITOANYAG, (Epitoanyagipari Tudományos Egyesület)  
Budapest, Hungary  
Vol. 11, no.10, Oct. 1959

Monthly List of East European Accessions (EEAI) IC., Vol. 8, no.12, Dec. 1959  
Uncl.

PORUBSZKY, Jeno.; APATI, Attila.; REUSS, Endre, Dr., egyetemi tanar.

Remarks. Moren automat 8 no. 5:138-139 '60.

1. Egyesült Izz-Tecnologiai Laboratorium (for Porubszky and Apati).
2. Budapest, Műszaki Egyetem, Műszaki Mechanika Tanszék (for Reuss).

KUSKE, Gy., dr.; KORNELIUSZ, Gy., dr.; PEGAK, B., dr.; ZOLNAR, J., dr.;  
TOTH, I., dr.; ZALAI, r.

Multiplex surgery in dogs. May a battery lap trans. S:205-276  
My 164

1. Institute of Anatomy and Surgery Director: Univ. prof.  
Dr. Tibor Karlinger), First Medical University.

HUNGARY

HALASZ, Tamas, Dr, APATI, Erzsebet, Dr; Council of Dunaujvaros, Hospital, II. Medical Ward (chief physician in charge of the ward: HALASZ, Tamas, Dr) (Dunaujvarosi Tanacs Korhaza, II. Belosztaly).

"The Clinical Aspects and Therapy of Trichinosis"

Budapest, Orvosi Hetilap, Vol 107, No 31, 31 Jul 66, pages 1449-1452.

Abstract: [Authors' Hungarian summary modified] The clinical manifestations, diagnosis and therapy of trichinosis are summarized on the basis of literature data. The course of the disease is described in response to treatment with chloroicide and prednisolone (4 cases) as well as thiabendazole (1 case; 40 mg/kg body weight daily doses for 3 days, a total of 7200 mg). It is stressed that severe cases of trichinosis must be given effective causal therapy in order to prevent the eventual lethal outcome of a massive infestation. 12 Hungarian, 9 Western references.

1/1

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000101820015-3"

Young people dare. NTO 4 no.11:18-19 N '62. (MIRA 16:1)

1. Zaveduyushchiy otdelom redaktsii gazety "Moskovskiy avtosavodets" (for Ushatikov). 2. Redaktor radioveshchaniya Moskovskogo avtomobil'nogo zavoda imeni Likacheva (for Apatov).  
(Dump trucks)

APATOVA, L.D., inzh.

Vibration cleaning of part surfaces. Mashinostroenie no.5:  
122-123 9-0 '63. (MIRA 16:12)

APATOVSKIY, B.Ye., inzh.; SMIRNOV, I.V., slesar'

Automatic device for manufacturing paper cable sleeves. Vest.  
sviazi 23 no.12:10-11 D '63. (MIRA 17:2)

GEL'TMAN, A. E., kand. tekhn. nauk; APATOVSKIY, L. Ye., inzh.;  
KHALUPOVICH, V. A., inzh.

Reply to G. A. Ushakov's remarks. Energomashinostroenie 8  
no. 12:41-42 D '62. (MIRA 16:1)

(Electric power plants) (Lignite-Drying)

MOCHAN, S.I., kand. tekhn. nauk; APATOVSKIY, L.Ye.; KOMISARCHIK, I.W.,  
Inzh.

Selection of air heating temperatures taking into account unification  
demands. Teploenergetika 12 no.4:37-42 Ap '65. (MIR 18:5)

1. TSentral'nyy kotloturbinnyy institut.

GEL'TMAN, A.E., kand.tekhn.nauk; POLYAK, A.B., inzh.; BUDNYATSKIY, D.M.,  
inzh.; APATOVSKIY, L.Ye., inzh.

Choice of optimum steam parameters of large condensing blocks.  
Teploenergetika 11 no. 1:15-22 Ja '64. (MIRA 17:5)

1. TSentral'nyy kotloturbinnyy institut.

NIKOLAU, K.T. [Nicolau, K.T.]; GRIGORIU, G.; APATYANU, V. [Apatianu, V.];  
NIKOROVA, S. [Nicorova, S]; FOTINO, H.

Technic of bone marrow transfusion. Probl.gemat.i perel.krovi.  
no.5:35-37 '62. (MIRA 15:8)

1. Iz Instituta hematologii i perelivaniya krovi v Bukhareste.  
(MARROW---TRANSPLANTATION)

NIKOLAU, K.T., [Nicolau, C.T.], prof.; NIKOARA, S. [Nicoara, S.];  
APATYANU, V. [Apatianu, V.]; GRIGORIU, G.

Bone marrow donors; preliminary report. Probl.gemat. i perel.  
krovi no.2:38-40 '62. (MIRA 15:1)

1. Iz Bukharetskogo hematologicheskogo tsentra (dir. - prof.  
K.T. Nikolau). (MARROW--TRANSPLANTATION)

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 12, p 165 (USSR) SOV/37-58-12-25199

AUTHOR: Apatov, D. I.

TITLE: On the Causes of the Formation of Cracks and Burned Spots on Cast-  
iron Pistons of the 2D100 Engine (O prichinakh obrazovaniya treshchin  
i razgarov chugunnykh porshney dvigatelya 2D100)

PERIODICAL: Byul. tekhn.-ekon. inform. Sov. nar. kh.-va Khar'kovsk. ekon.  
adm. r-na, 1958, Nr 1, pp 21-22

ABSTRACT: Examination is made of the causes of formation of cracks and burned  
spots in piston heads. Recommendations for elimination of these  
defects are adduced.

A. S.

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PLATE I DOCUMENTS

27/1-2)

Moskva-Tekhnicheskaya konferentsiya po voprosam strukturno-tekhnicheskogo razvitiya. Izdatelstvo: Tekhnicheskaya administrativnaya sluzhba. 1956.

Voprosy mehanotekhniki: studii konferentsii... (Problemy of Machine Building). Transactions of the Scientific-Technological Conference on the Development of Protective Forces of the Far'zhev Branch (Administrative Section) No. 3. Leningrad: Izdat. AF MTSZhG, 1956. 182 p. 1,400 copies printed.

Sponsoring Agency: Akademika nauch Tekhnicheskii SSSR. Sovet po Nauchno-tekhnicheskoi politiki all'iansa.

Bulletin Board: Izd. Akad. Nauk SSSR. Akademicheskii otdelenie of the Academy of Sciences USSR. Akad. Goryainov, Corresponding Member, Academy of Sciences USSR; D. I. Pustovarov, Doctor of Technical Sciences, Candidate of Technical Sciences; A. I. Kostanets; G.M. Davydov, Candidate of Technical Sciences, Candidate of Publishing Sciences; S.D. Sapoty, Tech. Ed.; R.A. Pulya.

PROLOGUE. This collection of articles is intended for scientific personnel, engineers, technicians, economists, workers, and planning organizations.

CONTENTS: The articles deal with problems in technology and techniques in the manufacture of engines, hydraulic turbines, diesel locomotives, tractors, excavators, diesels, electrical machinery, etc. Considerable attention is given to the following: the development of various types of equipment used for automation in the coal industry; equipment development for production and use of rectifiers; the development of new accessories for measuring and controlling heat-engineering parameters and the introduction of advanced methods into founding and die forging. No personalities are mentioned. References account given of the articles. There are 20 references; 16 Soviet, 2 French, and 1 English.

Glebov, N.M. [Doctor of Technical Sciences at Far'zhev Polytechnical Institute]. "The Present State of our Outlook for the Development of Engine Building."

Kornil'ev, I.A. [Chief Designer at the GOSN (Gosudarstvennoye Spetsial'noye Konstruktorskoye Buro Proektirovaniya - State Special Design-Bureau) in the Saratov Region]. "Work Done by the Saratov I Motor Plant in Far'zhev" sent by its GOSN to the Design of New Tractor and Combine Engines 62

Kashube, B.P. [Chief Designer at the Khar'kovskiy traktormezhnyi servod (Khar'kov Tractor Plant)]. "The ZIL-130 engine T-70 Caterpillar Tractor 70

Garf, N.E. and O.Ya. Kravchenko [Candidate of Technical Sciences at the Far'zhev Transportnoe priemyschaniye Akademii Nauk (Academy of Technology and Transportation). "Investigation of the Dynamic Strength of Certain Constructions in the Tractor and Transporter Industries." 75

Potapov, I.M. [Doctor of Technical Sciences at the Institut Elektrostroitel'stva AS UkrSSR (Kievskoye nauchnoe institutye Akademiya Nauk). "Basic Prospects for Research in the Field of Design of New Types of Electric Machinery" 87

Perel'man, M.P. [Candidate of Technical Sciences at the Khar'kov Branch of "Mashpromsoderzhpriyatiye". "Prospects for the Development of Electric Drives" 92

Problems of Machine Building (Cont.)

27/1-2)

Zilberman, B.Z. [Candidate of Technical Sciences at the Khar'kov Branch of "Mashpromsoderzhpriyatiye". "The Use of Computers for Planning Production" 96

Sorochkin, V.V. [Chief Equipment Designer at the Khar'kovskiy elektromashinostroyeniye plant]. "Theory in the Development of Electrical-Apparatus Manufacture at the Far'zhev Electromechanical Plant" 97

Tamchik, G.M. [Candidate of Technical Sciences at Leningrad "Mashzid" Rebellitate (The Far'zhev Parallel Plant). "Equipment for Automation in Coal Mining" 101

Grau'yan, Ye.P. [Designer at the Khar'kov Branch of "Mashpromsoderzhpriyatiye". "The Use of Mechanical Facilities in Electrical-Apparatus Manufacture" 111

Leont'ev, V.P. [Scientist at the Far'zhev Elektromechanical Plant]. "The Function of Mechanical Facilities" 117

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## Problems of Machine Building (Cont.)

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- Bilanov, V.I. [Chief Designer at the Lared Control-Husimitev'st'kh Plant (Control and Measuring-Instrument Plant)]. The Development of New Accessories for the Partment and Control of Best-Engineering Parameters 131
- Gerasimov, A.A. [Corresponding Member At Merzec, Institute of Founding AS FarEast]. The Introduction of Advanced Methods into Founding 134
- Kotov, D.I. [Chief Metallurgist of the Mechanical Section of the Khar'kov Metallurgic. Works for Raising the Technical Level and Development of Castings] 135
- Malyutin, Yu.I. [Chief Metallurgist for the Administration of Agricultural Machines Building at the Khar'kov Sovmashzav]. Trends in Mechanization and Automation in Foundries and the Reduction of the Manufacturing Costs of Castings 136
- Kharchenko, P.P. [Candidate of Economic Sciences at the Institute element AS FarEast (Institute of Economics AS FarEast)]. The Economic Effectiveness of Introducing New Methods in Founding 136

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- Lavitsky, F.I. [Docent at the Khar'kov Polytechnical Institute]. Concentration and Specialization in Founding 144
- Moroz, I.G. [Docent at the Khar'kov Polytechnical Institute]. Prospects for the Introduction of Die Casting into the Mills of the Khar'kov Economic Region 170
- Dobrotin, B.I. [Docent at the Khar'kov Polytechnical Institute]. Methods for Reducing the Manufacturing Cost of Forgings 177
- Poletaev, I.I. [Docent at the Khar'kov Polytechnical Institute]. Problems in the Modernization of Press-Forging Equipment 180

AVAILABILITY: Library of Congress

APATOVSKIY, B.Ye.; SMIRNOV, A.A.

Thread cutting device. Med. prom. 11 no. 2:52-53 P '57  
(MLRA 10:4)

1. Mediko-instrumental'nyy ordena Lenina zavod "Krasnogvard'yets."  
(SCREW-CUTTING MACHINES)

APATOVSKIY, B.Ye....

Introduction of continuous production lines for assembling  
electrocardiographs. Med.prom. 16 no.5:40-42 My '62.

(MIRA 15:9)

1. Mediko-instrumental'nyy zavod "Krasnogvardeyets".  
(ELECTROCARDIOGRAPHY)

BUDNYATSKIY, D.M., insh.; APATOVSKIY, L.Ye., insh.; BMLOVA, N.V., insh.

News in power machinery manufacture. Energomashnostroenie  
6 no.3:46 Mr '60. (MIRA 13:6)  
(Power engineering--Equipment and supplies)

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